

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/094164 A3

(51) International Patent Classification⁷: **B41F 13/64**,
21/08, B65H 39/00, B65G 47/52

(21) International Application Number:
PCT/IB2005/001705

(22) International Filing Date: 18 March 2005 (18.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2,462,836 2 April 2004 (02.04.2004) CA
2,468,357 3 June 2004 (03.06.2004) CA

(71) Applicant (for all designated States except US): **SYS-
TEMES FEUILTAULT SOLUTIONS INC.** [—/CA];
400 chemin des Patriotes Sud, Mont St. Hilaire, Quebec
J3H 3G8 (CA).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FEUILTAULT, Do-
minique** [CA/CA]; 400 chemin des Patriotes Sud, Mont St.
Hilaire, Quebec J3H 3G8 (CA). **LAJOIE, Marc** [CA/CA];
5890 Terrasse Simard, St. Hubert, Quebec J3Y 6G3 (CA).

(74) Agents: **MITCHELL, Richard, J.** et al.; c/o Marks &
Clerk, P.O. Box 957, Station B, Ottawa, Ontario K1P 5S7
(CA).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

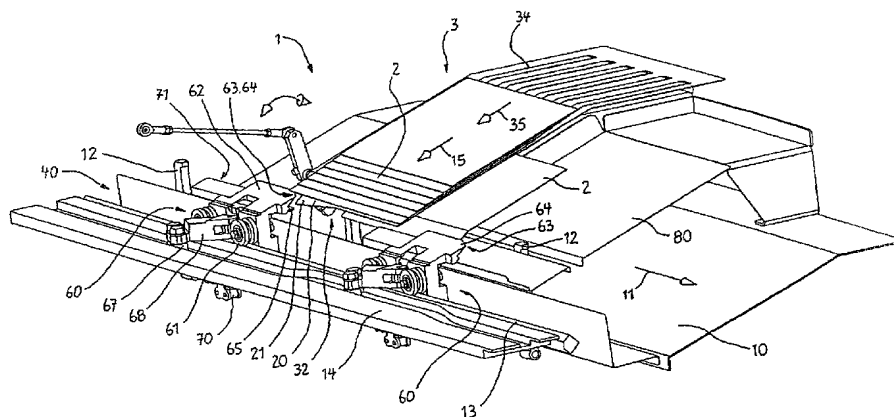
Published:

— with international search report

(88) Date of publication of the international search report:
13 April 2006

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR FEEDING FLAT PRINTED PRODUCTS



(57) Abstract: The invention refers to a method and an apparatus for gathering flat printed products by selecting a single printed product from each of a multitude of collections of identical printed products and conveying the selected printed products towards a collecting conveyor (10), which runs along a generally straight line in a first direction (11). To improve the transfer of the flat printed products to the downstream machinery, it is suggested to - advance the printed products in a second direction (15) in a continuous flow of printed products with a feeder (1) with feeding elements upstream of the collecting conveyor (10), - grip a leading portion (20) of a printed product at the discharge end of said feeder (1) by separating grippers (60) of a transferring conveyor (40) which is also arranged upstream of the collecting conveyor (10) and - transfer the gripped printed product with the transferring conveyor (40) substantially along a path, which takes its course generally along the first direction (11) of the collecting conveyor (10).

WO 2005/094164 A3